SHIP SYNOPTIC CODE (SECT 1)

- **BBXX (STANDARD ENTRY FOR ALL SHIPS)**
- **SHIP'S FOUR LETTER CALL SIGN OR IDENTIFIER**
- **EX: NJAM, NTIC, ETC...**

	SHIP FOUR LETTER CALL SIGN				DAY OF MONTH 01-31 UTC		TIME OF OBSERVAT) NEAREST HOUR 00-23 UTC		WIND INDICATOR (3	POSITION INDICAT 99	LATITUDE DEGREES & TENTHS			QUADRANT OF GLO	LONGITUDE DEGREES & TENTHS			
							SECTION 0											
										POSITION OF SHIP								
BBXX	**OOOO**				Y	Y	G	G	Iw	99	La	La	La	Qc	Lo	Lo	Lo	Lo
BBXX	**N**	**J**	**A**	**M**						99								
BBXX	**N**	**J**	**A**	**M**						99								
BBXX	**N**	**J**	**A**	**M**						99								

SHIP SYNOPTIC CODE (SECT 1 CONT)

- **YYGGIw 99LaLaLa QcLoLoLoLo**

YY: DAY OF THE MONTH
ENTER 2 DIGITS **01** THROUGH **31**

GG: TIME OF SYNOPTIC
ENTER **00, 03, 06, 09, 12, 15, 18, 21**,

Iw: WIND SPEED INDICATOR
ENTER **"4"** IF MEASURED USING THE SHIPS ANEMOMETER ENTER **"3"** IF WINDS ARE ESTIMATED (*PMQ-3 READINGS ARE MEASURED*).

					SECTION 0											
									POSITION OF SHIP							
		SHIP FOUR LETTER CALL SIGN			DAY OF MONTH 01-31 UTC		TIME OF OBSERVAT NEAREST HOUR 00-23 UTC		WIND INDICATOR (3	POSITION INDICAT	LATITUDE DEGREES & TENTHS			QUADRANT OF GLO	LONGITUDE DEGREES & TENTHS			
BBXX		OOOO			Y	Y	G	G	Iw	99	La	La	La	Qc	Lo	Lo	Lo	Lo
BBXX	N	J	A	M	0	3	0	0	4	99								
BBXX	N	J	A	M	0	3	0	6	4	99								
BBXX	N	J	A	M	0	3	1	2	4	99								

SHIP SYNOPTIC CODE (SECT 1 CONT)

- **LATITUDE AND LONGITUDE DATA IS ENTERED EXACTLY THE SAME AS IN COLUMN A**
  (PART A ABOVE)
- **DIVIDE TENTHS DIGIT BY 6 AND DISREGARD THE REMAINDER**

	SHIP FOUR LETTER CALL SIGN				DAY OF MONTH 01-31 UTC		TIME OF OBSERVATION NEAREST HOUR 00-23 UTC		WIND INDICATOR (3 OR 4)	SECTION 0								
										POSITION OF SHIP								
										POSITION INDICATOR	LATITUDE DEGREES & TENTHS			QUADRANT OF GLOBE	LONGITUDE DEGREES & TENTHS			
BBXX	OOOO				Y	Y	G	G	Iw	99	La	La	La	Qc	Lo	Lo	Lo	Lo
BBXX	N	J	A	M	0	3	0	0	4	99	3	2	7	7	1	2	5	6
BBXX	N	J	A	M	0	3	0	6	4	99	3	2	7	7	1	2	5	6
BBXX	N	J	A	M	0	3	1	2	4	99	3	2	7	7	1	2	5	6

SHIP SYNOPTIC CODE (IrIxhVV)

Ir: **PRECIPITATION DATA INDICATOR**
ALWAYS ENTER 4 SHIPS DO NOT MEASURE
PRECIPITATION.

Ix: **PRESENT WEATHER DATA INDICATOR**
ENTER 1 TO INCLUDE **PRESENT/PAST WEATHER**
GROUP (7wwW1W2)
OR ENTER 3 TO OMIT **(NONE OBSERVED)**

h: **HEIGHT OF THE BASE OF THE LOWEST CLOUD.** *(LOW** COL 10 **ER IN COL 10)*

CODE FOR CLOUD HEIGHT, h	
CODE FIGS.	**HEIGHT IN FEET**
0	00 TO 99
1	100 TO 299
2	300 TO 699
3	700 TO 999
4	1000 TO 1999
5	2000 TO 3299
6	3300 TO 4899
7	4900 TO 6499
8	6500 TO 7999
9	8000 OR ABV OR NO CLOUDS
/	HEIGHT NOT KNOWN

- **"<u>VV</u>" - VISIBILITY:**

  ENTER THE CODE FIGURE (SEE <u>TABLE</u>) THAT

  REPRESENTS THE LOWEST VISIBILITY VALUE

  OBSERVED (LOWEST VALUE IN THE SECTORS).

- **THIS IS NOT NECESSARILY THE SAME AS THE VALUE ENTERED IN *COL 7 OF PART A.***

- *CODE VALUE "98" WILL BE THE HIGHEST VALUE.*

CODE

Ir	Ix	h	**V**	**V**
4	**1**	**3**	**9**	**6**
4	3	7	9	6
4	3	9	9	7

TABLE

VISIBILITY	(VV)
VISIBILITY NM	CODE FIGS.
<1/16	90
1/16	91
1/8	92
1/4	93
1/2	94
1 OR 1/1/2	95
2, 2-1/2, OR 3	96
5, 6, 7, OR 8	97
9 OR 10	98
NOT REPORTED	99

SHIP SYNOPTIC CODE SHIPS COURSE, SPEED & APPARENT WIND DATA

THIS INFORMATION IS ENTERED ON THE FORM BUT *NOT TRANSMITTED*

- COURSE AND SPEED DATA WILL BE THE SAME AS THAT ENTERED IN COLS B AND C.
- APPARENT WIND IS THE OBSERVED **RELATIVE WIND DIRECTION/SPEED.**

PRECIPITATION DATA INDICATOR	WEATHER CODE INDICATOR (1 C	HEIGHT OF LOWEST CLOUD	VISIBILITY	SHIP'S COURSE AT TIME OF OI	SHIP'S SPEED AT TIME OF OB	APPARENT DIRECTION RELATIVE TO SHIP FROM 0-360	APPARENT SPEED
			90-99	TRUE	KNOTS		KNOTS
				ESTIMATED			( )
				ANEMOMETER			(X)
Ir	Ix	h	V	V	AN. HGT. _____ 33m		
4	1	3	9	6	076	08	35C	04
4	3	7	9	6	090	15	33C	12
4	3	9	9	7			08C	08

SHIP SYNOPTIC CODE (Nddff)

"N" - **TOTAL AMOUNT OF SKY COVER IN EIGHTHS**

"dd" - **TRUE WIND DIRECTION IN TENS OF DEGREES FROM THE DIRECTION THE WIND IS BLOWING.**

- **ENTRY WILL BE THE *SAME AS COL 3 OF PART A***

"ff" - **TRUE WIND SPEED IN KNOTS (07, 32).**

	TRUE WIND				HIGH SPEED WIND				SECTION 1				
									TEMPERATURES				
TOTAL CLOUD AMOUNT (1-8)	DIRECTION FROM 01-36		SPEED		GROUP INDICATOR	SPEED			GROUP INDICATOR	SIGN OF TEMP (+=0,-=1)	DRY BULB		(Degrees & Tenths)
				KNOTS				KNOTS				°C	
N	d	d	f	f	00	f	f	f	1	S_n	T	T	T
5	3	3	1	2									
7	3	1	0	6									
8	0	0	0	0									

SHIP SYNOPTIC CODE HIGH SPEED WIND & TEMPERATURE

- **HIGH SPEED WIND:** OMIT IF WINDS ARE <100 KNOTS
  TEMPERATURE & DEWPOINT:
  - **(1snTTT 2snTdTdTd)**
  - **"sn" SIGN OF TEMPERATURE (POSITIVE OR NEGATIVE)**
    - **0** = POSITIVE OR ZERO
    - **1** = NEGATIVE

  - **TTT** AIR TEMP IN TENTHS OF DEGREE CELSIUS
    TdTdTd DEWPOINT TEMP IN TENTHS OF DEGREES CELSIUS
  - **EXAMPLES:** TEMP: 10.3 C DEWPOINT: 8.0 C
    TEMP: 00.5 C   DEWPOINT: -2.0 C
    TEMP: -05.0 C   DEWPOINT: -10.0 C

WIND													
GROUP INDICATOR	SPEED			GROUP INDICATOR	SIGN OF TEMP ($+=0, -=1$)	Dry Bulb	DRY BULB	(Degrees & Tenths)	GROUP INDICATOR	SIGN OF DP ($+=0, -=1$)	DEWPOINT	DEWPOINT	Dewpoint (Whole Degrees)
	KNOTS							°C					
00	f	f	f	1	S_n	T	T	T	2	S_n	T_d	T_d	T_d
				1	0	1	0	3	2	0	0	8	
				1	0	0	0	5	2	1	0	2	/
				1	1	0	5	0	2	1	1	0	/

- **ENTERED IN TENS, UNITS, AND TENTHS OF A MILLIBAR**

- **WHEN SEA LEVEL PRESSURE IS 1000 MB OR GREATER, THE LEADING 1 IS OMITTED.**

EXAMPLES: 992.4 MB
1000.0 MB
1032.1 MB

										SECTION 1									
PRESSURE									WEATHER				CLOUDS				ACTUAL TIME OF OBSERVATION		
					3-HOUR PRESSURE CHANGE						PAST								
											0-99								
4	P	P	P	P	5	a	p	p	p	7	W	W	W_1	W_2	8	N_h	C_L	C_M	C_H	9	G	G	9	9
4	9	9	2	4	5					7					8					9				
4	0	0	0	0	5					7					8					9				
4	0	3	2	1	5					7					8					9				

SHIP SYNOPTIC CODE PRESSURE TENDENCY (5appp)

- **NOT ENTERED WHEN THE SHIP IS UNDERWAY.**
- **ENTERED WHEN THE SHIP IS ANCHORED.**

- **TENDENCIES ARE CALCULATED USING THE CHANGE AND CHARACTERISTIC RECORDED ON THE FORM DURING THE PAST 3 HOURS. (NOT INCLUDING THIS SYNOPTIC TIME).**

- **USING THE TENDENCY CHART PROVIDED, OBSERVE THE 3 HOUR TENDENCY IN PART 1 OF THE OBSERVATION FORM.**

  EXAMPLE : *(USE SEA LEVEL PRESSURE COL 22a)*
  1159Z PRESSURE: 1025.5
  1256Z PRESSURE: 1015.5 DOWN
  1358Z PRESSURE: 1005.0 DOWN
      NET CHANGE: 20.5

				SECTION 1														
PRESSURE							WEATHER				CLOUDS				ACTUAL TIME OF OBSERVATION			
					3-HOUR PRESSURE CHANGE				PAST									
										0-99								
4	P	P	P	P	5	a	p	p	p	7	W	W	W_1	W_2	8	N_h	C_L	C_M	C_H	9	G	G	9	9
4	9	9	2	4	5	7	1	7	5	7					8					9				
4	0	0	0	0	5					7					8					9				
4	0	3	2	1	5					7					8					9				

SHIP SYNOPTIC CODE PRESENT WEATHER (7wwW1W2)

THE 99 TYPES OF PRESENT WEATHER
REFER TO THE PRESENT WEATHER TABLE

"WW" - **PRESENT WEATHER AT OBSERVATION TIME INDICATED IN COL 9 OF PART 1: (USE THE FIRST VALUE)**
   EXAMPLE: SHRA FG   TABLE **CODE**: 81

"W1W2" - **PAST WEATHER**
   EVEN SYNOPTIC - PAST 6 HOURS, ODD - PAST 3 HOURS.
   W1: HIGHEST PRIORITY (USE TABLE BELOW RIGHT)
   W2: SECOND HIGHEST PRIORITY (USE SAME TABLE)
- **ENTER 70000 FOR NO SIGNIFICANT PRESENT/PAST WEATHER**

PAST WEATHER

	WEATHER			CLOUDS				
		PAST						
	0-99							
7	W W	W_1	W_2	8	N_h	C_L	C_M	C_H
7	8 1	1	0	8				
7	/ /	/		8				
7	8 /1	1	0	8				

Code	Codes for Past Weather, W_1W_2
9	Thunderstorm(s) with or without precipitation
8	Shower(s)
7	Snow, or rain and snow mixed
6	Rain
5	Drizzle
4	Fog, ice fog, or thick haze (visibility was less than 1/2 nautical mile)
3	Sandstorm, dust storm, or blowing snow
2	Cloud cover more than 1/2 throughout period
1	Cloud cover more than 1/2 for part of period, and 1/2 or less for another part period
0	Cloud cover 1/2 or less throughout period

SHIP SYNOPTIC CODE THE CLOUD GROUP (8NhClCmCh)

- **"Nh": AMOUNT OF LOW OR MID CLOUD PRESENT ENCODE AMOUNT IN EIGHTS (1 = 1/8 AMOUNT) ENCODE 9 WHEN SKY IS OBSCURED (EX: FOG)**
- **"CL": LOW CLOUD TYPE PRESENT ENCODE 1-9 BASED ON PRIORITY (USE TABLES)**
- **"Cm": MID CLOUD PRESENT (ENCODE SAME AS Cl)**
- **"Ch": HIGH CLOUD PRESENT (SAME).**

EXAMPLES FROM COL 10:

FEW10 SCT43 BKN180 *CODED: 84803*
BKN8 OVC25: *CODED 888///*
CLEAR SKIES ENTER 80000

	WEATHER				CLOUDS					ACTUAL TIME OF OBSERVATION			
		PAST											
		0-99											
7	W	W	W_1	W_2	8	N_h	C_L	C_M	C_H	9	G	G	9	9
7					8	8	4	0	3	9				
7					8	8	8	/	/	9				
7					8	0	0	0	0	9				

SHIP SYNOPTIC CODE (9GGgg)

- **IDENTIFIES THAT THE ACTUAL TIME OF OBSERVATION WAS <u>NOT</u> WITHIN THE DESIGNATED 10 MINUTE (45 - 55 MINUTES PAST THE HOUR) TIME FRAME.**
  - **- DUE TO SHIPBOARD OPERATIONS/EXERCISES.**
  - **- NOT USUALLY INCLUDED**
- **"GG": HOUR IN UTC (TENS AND UNIT).**
- **"gg": MINUTES (TENS AND UNITS).**

											ACTUAL TIME OF OBSERVATION			
WEATHER					CLOUDS									
			PAST											
			0-99											
7	W	W	W_1	W_2	8	N_h	C_L	C_M	C_H		9	G	G	9	9
7					8						9	1	6	0	5
7					8						9	1	6	4	0
7					8						9	1	7	3	0

SHIP SYNOPTIC CODE (SECT 2) SHIPS COURSE & SPEED (222DsVs)

- **"Ds ":** **COURSE MADE GOOD DURING THE 3 HOURS**

  PRECEDING THE OBSERVATION

  - USE 8 POINTS OF THE COMPASS (EX: 1=NE, 4=S, 8=N)
  - ENTER "9" IF DIRECTION UNKNOWN
  - ENTER "/" IF ANCHORED

- **"Vs":** **SHIPS AVERAGE SPEED MADE GOOD DURING**

  THE 2 HOURS PROCEEDING THE TIME OF

SECTION 2							
SHIP'S COURSE AND SPEED			SEA SURFACE TEMPERATURE				
GROUP AND S...	INDICATOR	COURSE MADE G...	AVG SPD MADE G...	GROUP INDICA...	SIGN TYPE OF T...	DEGREES AND	°C
222	D_s	V_s	0	S_s	T_w	T_w	T_w
222	8	2	0				
222	3	3	0				
222	5	4	0				

Code for Ship's Average Speed, V_s	
Code Figures	True Speed
0	0 knot
1	1 to 5 knots
2	6 to 10 knots
3	11 to 15 knots
4	16 to 20 knots
5	21 to 25 knots
6	26 to 30 knots
7	31 to 35 knots
8	36 to 40 knots
9	Over 40 knots
/	Not reported

SHIP SYNOPTIC CODE
SEA SURFACE TEMPERATURE
(0SsTwTwTw)

- **"Ss":** **SIGN OF THE SEA TEMP**
  - **- ENTER "0" FOR POSITIVE**
  - **- ENTER "1" FOR NEGATIVE**

- **"TwTwTw":** **SEA SURFACE TEMPERATURE IN CELSIUS.   (NEAREST 1/10)**
  - **- OMIT GROUP IF SEA TEMP CANNOT BE OBSERVED.**

SEA TEMP: **12.4 C**

1.1 C

15.0 C

	SECTION 2						
	SHIP'S COURSE AND SPEED			SEA SURFACE TEMPERATURE			
GROUP AND SECTION	INDICATOR	COURSE MADE GOOD - 3 HOURS	AVG SPEED MADE GOOD - 3 HOUR	GROUP INDICATOR	SIGN TYPE OF TEMP. (0-7)	DEGREES AND TENTHS	
						°C	
222		D$_s$	V$_s$	0	S$_s$	T$_w$ T$_w$ T$_w$	
222		8	2	0	0	1 2 4	
222		3	3	0	1	0 1 1	
222		5	4	0	0	1 5	

SHIP SYNOPTIC CODE SEA WAVES (2PwPwHwHw)

- **"PwPw": PERIOD OF SEA WAVES**
  ENTER THE SAME AS IN COL E ABOVE

- **"HwHw": HEIGHT OF SEA WAVES (IN 1/2 METERS)**
  MATCH THE HEIGHT ENTERED IN COL F TO THE TABLE AND ENTER VALUE FROM TABLE.

- **COL E ENTRY: (0304)**
- **"HwHw" ENTRY: (20302)**

SEA WAVES				SECTION 2														
				WAVES														
				SWELLS														
				DIRECTION FROM				PREDOMINATE SWELL				SECONDARY SWELL					
GROUP INDICATOR	PERIOD (SEC)	HEIGHT (Half Meter)		INDICATOR	PREDOMINATE SWELL °T 01-36		SECONDARY SWELL °T 01-36		INDICATOR	PERIOD (SEC)	HEIGHT (Half Meters)		INDICATOR	PERIOD (SEC)	HEIGHT (Half Meters)			
2	P_W	P_W	H_W H_W	3	d_{w1}	d_{w1}	d_{w2}	d_{w2}	4	P_{W1}	P_{W1}	H_{W1}	H_{W1}	5	P_{W2}	P_{W2}	H_{W2}	H_{W2}
2	0	3	0 2	3					4					5				
2				3					4					5				
2				3					4					5				

SHIP SYNOPTIC CODE DIRECTION OF SWELLS (3Dw1Dw1Dw2Dw2)

DIRECTION OF PRIMARY & SECONDARY SWELL WAVES

- **"Dw1Dw1": DIRECTION OF PRIMARY SWELL WAVES.**
  - ENTER IN HUNDREDS AND TENS THE DIRECTION FROM
    WHICH THE SWELLS ARE COMING.
  - WHEN NONE ARE VISIBLE ENTER "//"
  - IF NO SWELL IS OBSERVED ENTER: 30000.

- **"Dw2Dw2: DIRECTION OF SECONDARY SWELL WAVES.**
  - ENTER THE SAME AS PRIMARY SWELL.

  EXAMPLE: PRIMARY SWELL FROM 330 DEGREES
  SECONDARY SWELL FROM 090 DEGREES
  ENTER: 33309

SECTION 2																		
WAVES																		
SEA WAVES				DIRECTION FROM				PREDOMINANT SWELL				SECONDARY SWELL					
GROUP INDICA	PERIOD (SEC	HEIGHT (Half M		INDICATOR	PREDOMINAN SWELL °T 01-36		SECONDARY SWELL °T 01-36		INDICATOR	PERIOD (SEC	HEIGHT	(Half Meters	INDICATOR	PERIOD (SEC	HEIGHT	(Half Meters		
2	P_W	P_W	H_W	H_W	3	d_{w1}	d_{w1}	d_{w2}	d_{w2}	4	P_{W1}	P_{W1}	H_{W1}	H_{W1}	5	P_{W2}	P_{W2}	H_{W2}	H_{W2}
2					3	3	3	0	9	4					5				
2					3	2	7	0	0	4					5				
2					3	0	0	0	0	4					5				

SHIP SYNOPTIC CODE PERIOD/HEIGHT OF PRIMARY SWELL (4Pw1Pw1Hw1Hw1)

- **"Pw1Pw1":** **PERIOD OF PRIMARY SWELL**
  - **ENTER PERIOD AS ENTERED IN COL F OF PART A**

- **Hw1Hw1":** **HEIGHT OF PRIMARY SWELL IN 1/2 METERS.**
  - **HEIGHT OF SWELL ENTERED IN COL F OF PART A CONVERTED TO HALF METERS USING CODE TABLE III-4-4**

CODE TABLES
TABLE III-4-4

Wave Height in Half-Meters

Code figure	Height in feet	Code figure	Height in feet
00	calm	16	25 or 26
01	1 or 2	17	27 or 28
02	3 or 4	18	29
03	5	19	30 or 31
04	6 or 7	20	32
05	8	21	33 or 34
06	9 or 10	22	35 or 36
07	11 or 12	23	37
08	13	24	38 or 39
09	14 or 15	25	40
10	16	26	41 or 42
11	17 or 18	27	43 or 44
12	19 or 20	28	45
13	21	29	46 or 47
14	22 or 23	30	48
15	24	31	49 or 50

SHIP SYNOPTIC CODE PERIOD/HEIGHT OF PRIMARY SWELL ($4P_{W1}P_{W1}H_{W1}H_{W1}$)

- **EXAMPLE:** **(COL F OF PART A)**

  SWELL FROM 360 DEG, PERIOD 6 SECS, HEIGHT OF 6 FT

  CODED ENTRY: 33600 40604

  NOTE: 1. "00" IN 3 GROUP INDICATES NO SECONDARY

  SWELL.

  2. 6 FT WAVES CONVERTS TO CODE FIGURE 4.

- **ENTER: 40000 50000 IF NO SWELLS ARE PRESENT.**

SECTION 2																	
WAVES																	
SEA WAVES				DIRECTION FROM				SWELLS									
								PREDOMINANT SWELL				SECONDARY SWELL					
GROUP INDICAT	PERIOD (SEC)		HEIGHT (Half Me	INDICATOR	PREDOMINANT SWELL °T 01-36		SECONDARY SWELL °T 01-36		INDICATOR	PERIOD (SEC)		HEIGHT	(Half Meters)	INDICATOR	PERIOD (SEC)		HEIGHT (Half Meters)
2	P_W	P_W	H_W	H_W	3	d_{w1}	d_{w1}	d_{w2}	d_{w2}	4	P_{W1}	P_{W1}	H_{W1}	H_{W1}	5	P_{W2}	P_{W2}	H_{W2}	H_{W2}
2	0	3	0	2	3	3	6	0	0	4	0	6	0	4	5	0	0	0	0
2					3	3	3	0	6	4	0	3	0	2	5	0	5	0	3
2	0	0	0	0	3	0	0	0	0	4	0	0	0	0	5	0	0	0	0

- **ENTER SECONDARY SWELL PERIOD AND HEIGHT _IDENTICAL_ TO PRIMARY PERIOD AND HEIGHT (4Pw1Pw1Hw1Hw1).**

- **ENTER 0000 IF NO SECONDARY SWELL IS OBSERVED.**

SECTION 2																			
WAVES																			
SEA WAVES			SWELLS																
			DIRECTION FROM					PREDOMINANT SWELL							SECONDARY SWELL				
GROUP INDICATOR	PERIOD (SEC)	HEIGHT (Half Meters)	INDICATOR	PREDOMINANT SWELL °T 01-36		SECONDARY SWELL °T 01-36		INDICATOR	PERIOD (SEC)		HEIGHT (Half Meters)				INDICATOR	PERIOD (SEC)		HEIGHT (Half Meters)	
2	P_W	P_W	H_W	H_W	3	d_{w1}	d_{w1}	d_{w2}	d_{w2}	4	P_{W1}	P_{W1}	H_{W1}	H_{W1}	5	P_{W2}	P_{W2}	H_{W2}	H_{W2}
2	0	3	0	2	3	3	6	0	0	4	0	6	0	4	5	0	0	0	0
2	0	0	0	0	3	3	3	0	6	4	0	3	0	2	5	0	5	0	3
2	0	1	0	1	3	0	0	0	0	4	0	0	0	0	5	0	0	0	0

SHIP SYNOPTIC CODE WET BULB (8SwTbTbTb)

- **ICE ACCRETION** BLOCKS HAVE BEEN <u>OMITTED</u> FROM THIS COURSE. REFER TO 3144.1D SHOULD ICING CONDITIONS DEVELOP.

- OMIT THE ENTIRE GROUP FROM REPORT IF ICE IS NOT OBSERVED

- <u>**WET BULB TEMPERATURE:**</u>

- <u>**"Sw"**</u>: ENTER <u>**"0"**</u> FOR ZERO OR POSITIVE READING.

- <u>**"TbTbTb"**</u>: ENTER THE WET BULB TEMPERATURE IN TENS, UNITS AND TENTHS OF A DEGREE CELSIUS.

PART C QUARTERMASTER INFORMATION

- **THE 3144.1D AND METAR IMPLEMENTATION:** ADVANCE COPIES HAVE BEEN DISTRIBUTED (11) FLEETWIDE DISTRIBUTION 15-30 APR 96 & BEYOND.

- **IF YOU DO NOT RECEIVE THE 3144.1D UPON COMPLETION OF FLEETWIDE DISTRO, ORDER VIA THE FOLLOWING:**

> Naval Inventory Control Poin
> Cog "I" Material
> 700 Robbins Avenue
> Philadelphia, PA. 19111-50

- **SHIP OBSERVATION FORM:**
- **NSN: 0108-LF-019-3000**

- FLEETWIDE IMPLEMENTATION OF THE METAR FORMAT WILL BE **01 JULY 1996**.

- * CHANGE TRANSMITTAL ONE EFFECTIVE 19 JULY 1996.

PART C
WEAX/OTSR MOVREP GUIDELINES

- **FOLLOW INSTRUCTIONS IN NAVOCEANCOMINST 3140.1K. (U.S. NAVY OCEANOGRAPHIC AND METEOROLOGICAL SUPPORT SYSTEM MANUAL.)**

- **MODIFY THE WEAX/OTSR STATEMENT WITH EVERY MOVREP BASED ON NEED.**

- **WHEN OPERATING WITHIN WEST COAST OPAREAS DO NOT REQUEST WEAX/OTSR. THESE AREAS ARE COVERED 24 HOURS A DAY BY OPAREA FORECASTS WRITTEN BY NAVPACMETOCFAC SAN DIEGO, AND NAVPACMETOC DET WHIDBEY ISLAND.**

- **OTSR REQUESTS REQUIRE SPECIFIC INFORMATION PROVIDED IN THE 3140.1K.**

TAKING/TRANSMITTING WEATHER OBSERVATIONS

- **WHEN UNDERWAY AT SEA:**
  1. UNLESS A MET GUARD SHIP IS DESIGNATED THAT IS
     WITHIN 50NM **(SPECIFIED IN OPTASK METOC)**

- **WHEN INPORT (NOT HOMEPORT):**
  1. UNLESS A MET GUARD SHIP DESIGNATED
 2. VICINITY U.S MANNED WEATHER UNIT/SHIP.

- **DURING MINIMIZE CONDITIONS:**
  - WIND SPEEDS IN EXCESS OF35 KNOTS
  - SEAS 12 FT OR GREATER
  - MODERATE OR HEAVY PRECIPITATION
  - PRESSURE CHANGE 3MB OR GREATER DURING PAST 3 HOURS
  - VISIBILITY <1NM.
  - AS DICTATED BY OPERATIONS.

- **REPORTING 3 HOURLY SYNOPTIC OBS:**
  TRANSMIT **IMMEDIATE** PRECEDENCE
  - WINDS 34 KTS OR GREATER.
  - SEAS 12 FT OR GREATER.
  - WITHIN 300 NM OF TCFA (TROPICAL CYCLONE FORMATION ALERT).
  - WHEN WITHIN 500 NM OF TROPICAL DEPRESSION, TROPICAL STORM, OR HURRICANE.
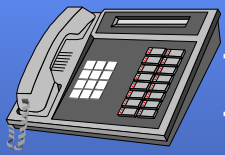
PART C NAVPACMETOCCEN POINTS OF CONTACT

COMMAND DUTY OFFICER   **243-5595**

OTSR / WEAX   **243-8872**

WEATHER FORECASTER   **243-5595**

FLEET SERVICES OFFICER   **243-7819**
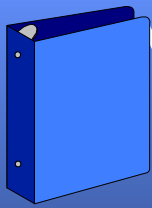
MOBILE ENVIRONMENTAL TEAM:

      MET OFFICER   **243-7849**

      MET LCPO   **243-7915**

STU III   **243-9573**

METOC PUBLICATIONS

-OPNAV 3140.24E (Warning's & Conditions of Readiness Re. Hazardous & Destructive Weather Phenomena)

-USCINCPACINST 3140.4 (METOC Support Manual)

-CINCPACFLT OPORD 201 ANNEX H

-C3F / C7F OPORD 201 BOOK II ANNEX H

-CNSP 3140.3B CNAP 3140.1B (METOC Support Doctrine)

-CNSP / CNSL 3140.2 (Tropical Cyclone Evasion)

-CNSP / CNSL 3840.1B (Joint Surf Manual)

-NAVMETOCCOMINST 3140.1K (METOC Support Manual)

-NAVMETOCCOMINST 3144.1D (Manual for Ship's Surface Weather Observations)

-C3F 262244Z Aug 93 (Hazardous Weather Avoidance & Reporting)

-C3F 251823Z May 95 (Hazardous Weather Avoidance & Reporting)

-C7F 201005Z Apr 95 (Tropical Cyclone Readiness)

ACCURATE OBSERVATIONS, PROPER ENCODING AND TIMELY TRANSMISSION OF THIS DATA IS ESSENTIAL!

WHO USES THIS DATA:

1.   **PRIMARY USER: FLEET NUMERICAL, METEOROLOGY & OCEANOGRAPHY CENTERS**
     PEARL HARBOR & GUAM, NAVPACMETOCFAC SAN DIEGO

2. **BATTLEGROUP ASSETS:**
     - EMBARKED OA DIVISIONS
     - MOBILE ENVIRONMENTAL TEAM FORECASTERS

HOW DOES THIS DATA EFFECT THE FLEET:

SYNOPTIC DATA IS REVIEWED UPON RECEIPT AND USED FOR THE FOLLOWING:

 1.   INPUT INTO COMPUTER FORECASTING MODELS

 2. ACCURATELY FORECASTING HIGH WINDS/SEA